



Abstract of the Disclosure

Intact X and Y chromosome-bearing sperm populations of rabbits and swine were separated according to DNA content using a flow cytometer/cell sorter. Sperm viability was maintained by special staining techniques and by sorting and collecting the sperm in nutrient media. The sorted sperm were surgically inseminated into the uteri of rabbits or swine. Of the offspring born from does inseminated with the sorted population of X-bearing sperm, 94% were females. Of offspring born from does inseminated with sorted Y-bearing sperm from the same ejaculate, 81% were males.

— | —